

Contributors to This Issue

E. S. Dattatreya, B.S. (Physics), 1970, Bangalore University, India; B. E. (Electrical Communication Engineering), 1973, Indian Institute of Science, India; M.S. (Computer Science), 1975, University of Wisconsin; Ph.D. (Operations Research), University of California, Berkeley; Bell Laboratories, 1978—. Since joining Bell Laboratories, Mr. Dattatreya has engaged in developing stochastic models of the loop network and computer applications. Member, Operations Research Society of America.

Herbert T. Freedman, B.A., 1972, University of Pennsylvania; M.S., 1974, Case Western Reserve University; Ph.D., 1976, University of Pennsylvania; Bell Laboratories, 1976–1979. At Bell Laboratories, Mr. Freedman was engaged in developing loop network cost models and methods systems. He is currently with the Corporate Planning Division of the American Telephone and Telegraph Company, developing manpower and expense models.

Allen E. Gibson, B.A., 1964, Denison University; M.S., 1966, Case Institute of Technology; Ph.D., 1969, Virginia Polytechnic Institute; Bell Laboratories, 1968–1979; AT&T Long Lines, 1979—. Mr. Gibson's initial assignment at Bell Laboratories involved work on radar detection problems as part of the Safeguard project. Between 1972 and 1979, he was engaged in mathematical modeling of loop plant operations and in the development of analysis techniques for managing the loop plant network. He is now a staff supervisor in the Marketing Forecasting Division of AT&T Long Lines where he is performing demand analysis studies for WATS.

Terry R. Harms, A.B., 1973, M.S., 1975, Ph.D., 1978, University of California, Berkeley; Bell Laboratories, 1978—. Since joining Bell Laboratories, Mr. Harms has been engaged in developing Top Down

Budgeting models and methods systems. Member, Operations Research Society of America.

Larry W. Hinderks, B.S. (physics), 1966, University of Kansas; Ph.D. (physics), 1970, University of Kansas; Bell Laboratories, 1970-1977, Corporate Computer Systems, 1977—. Mr. Hinderks was involved in test set design and fabrication for millimeter-wave measurements using minicomputers. This work included hardware design and software data manipulation algorithms. He also worked on microprocessor-controlled test sets for the evaluation of the surface properties of copper at millimeter-wave frequencies. Since 1977, Mr. Hinderks has been engaged in developing computer-controlled data acquisition test sets and process control systems.

Stephen E. Levinson, B.A. (Engineering Sciences), 1966, Harvard; M.S.E.E., 1972, and Ph.D., 1975, University of Rhode Island; Bell Laboratories, 1976—. Mr. Levinson was Design Engineer at Electric Boat Division, General Dynamics, 1966-1970, and J. Willard Gibbs Instructor of Computer Science, Yale University, 1974-1976. His research interests are speech recognition, pattern recognition, and theory of computation. Chairman, IEEE Computer Society Technical Subcommittee on Speech Recognition and Understanding; member, IEEE, ACM.

David B. Luber, B.S.(E.E.), 1965, Worcester Polytechnic Institute; M.S.(E.E.), 1967, University of Pennsylvania; Ph.D.(S.E.), 1972, University of Pennsylvania; General Electric Company-Space Systems Organization, 1967-1969; Bell Laboratories, 1972—. Since joining Bell Laboratories, Mr. Luber has been active in developing planning and administrative systems for the loop plant network. Member, IEEE, Eta Kappa Nu, Tau Beta Pi. Associate Member, ORSA, Sigma Xi.

Albert Maione, A.A.S. (Electrical Technology), 1969. Queensborough Community College; B.S. (E.T.), 1975, Newark College of Engineering. Bell Laboratories, 1969—. Mr. Maione has worked on millimeter-wave medium design and on measurement techniques to evaluate metal conductors and dielectric materials at millimeter-wave frequencies. Since 1977, he has been a member of a digital processing group. He encoded and tested the computer simulation of the first successful VLSI digital echo canceler chip. Presently, he is involved in the design of special-purpose integrated circuits using NMOS technology. Member, Phi Theta Kappa.

Kathleen L. Shipley, B.A. (Mathematics), 1970, Douglass College; Bell Laboratories, 1970-1974, 1975—. Mrs. Shipley is a member of the Acoustics Research Department. She has worked on scientific programming for laboratory computer systems dedicated to research in communications acoustics. Member, Pi Mu Epsilon.

D. D. Warner, B.S. (Mathematics), 1965; M.A. 1966, Arizona State University; Airesearch Corporation, 1966; United States Navy, 1967-1970; Ph.D., 1974, University of California at San Diego; Bell Laboratories, 1974-1979. Mr. Warner's research interests are in approximation theory and numerical analysis. Work at Bell Laboratories primarily involved the development of mathematical software for the numerical solution of problems in physics and engineering. Member ACM, AMS, and SIAM.

Charles L. Wilson, B.S., M.S., University of Texas at El Paso; Bell Laboratories, 1970-1979. From 1965 to 1970, Mr. Wilson did bipolar transition modeling and characterization at Los Alamos Scientific Laboratory. At Bell Laboratories, he worked on computer-aided design, including thermal studies of power transistors, yield analysis of integrated circuits, and two-dimensional process and device modeling.

